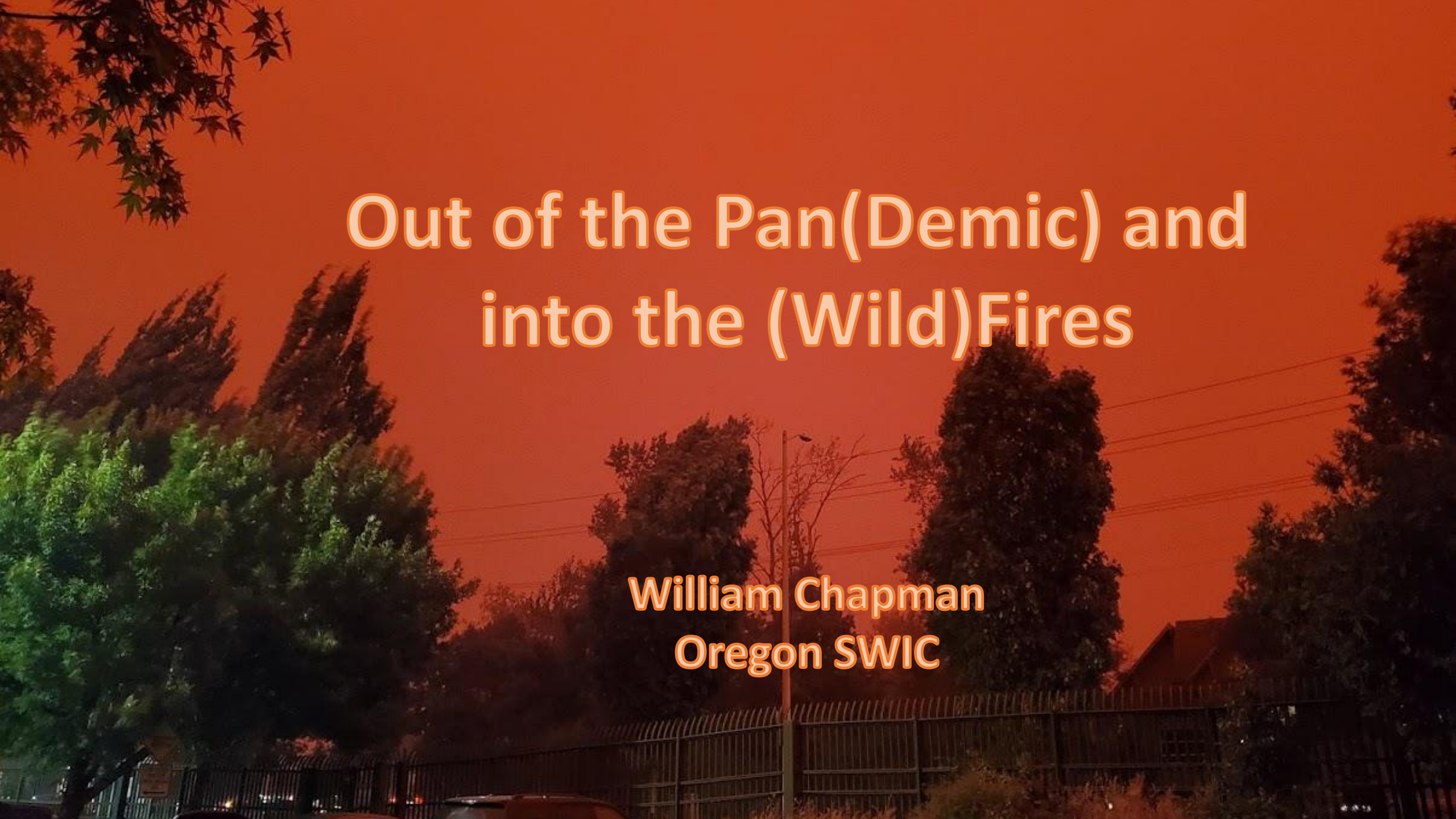


The background of the slide is a photograph of a residential street at dusk. The sky is a deep, uniform orange-red color. In the foreground, there are dark silhouettes of trees and a metal fence. A street lamp is visible in the middle ground. The overall mood is somber and dramatic.

Out of the Pan(Demic) and into the (Wild)Fires

William Chapman
Oregon SWIC

Background

Professional

- University of Arizona Police Department
- The Arizona Rangers
- University of Arizona EMS
- Sierra Vista Fire & Medical
- AMR Ambulance
- Mayer Fire District
- AZ Telecommunicators Emergency Response Task Force (TERT) Chair

Memberships/Achievements

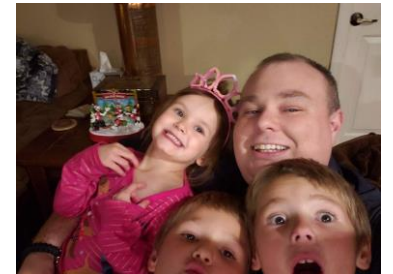
- Police Commendation Medal/Certificate of Merit
- Police Unit of the Year
- FBI's Infragard Program (Oregon)
- AZ Peace Officers Standards and Training Instructor
- APCO/NENA
- Oregon Emergency Management Association
- AZ Conference of Police & Sheriffs (AZCOPS)
- National Internal Affairs Investigators Association

Education

- B.S. Public Admin & Policy Univ. of AZ
- Certificate of Advanced Leadership – Eller College of Management - Executive Education
- FEMA Professional Development Series
- Emergency Number Professional (ENP)
- Firefighter I & II and EMT (National, AZ, OR)
- All Hazards Communications Unit Leader
- Amateur Radio Operator (Technician)

Personal

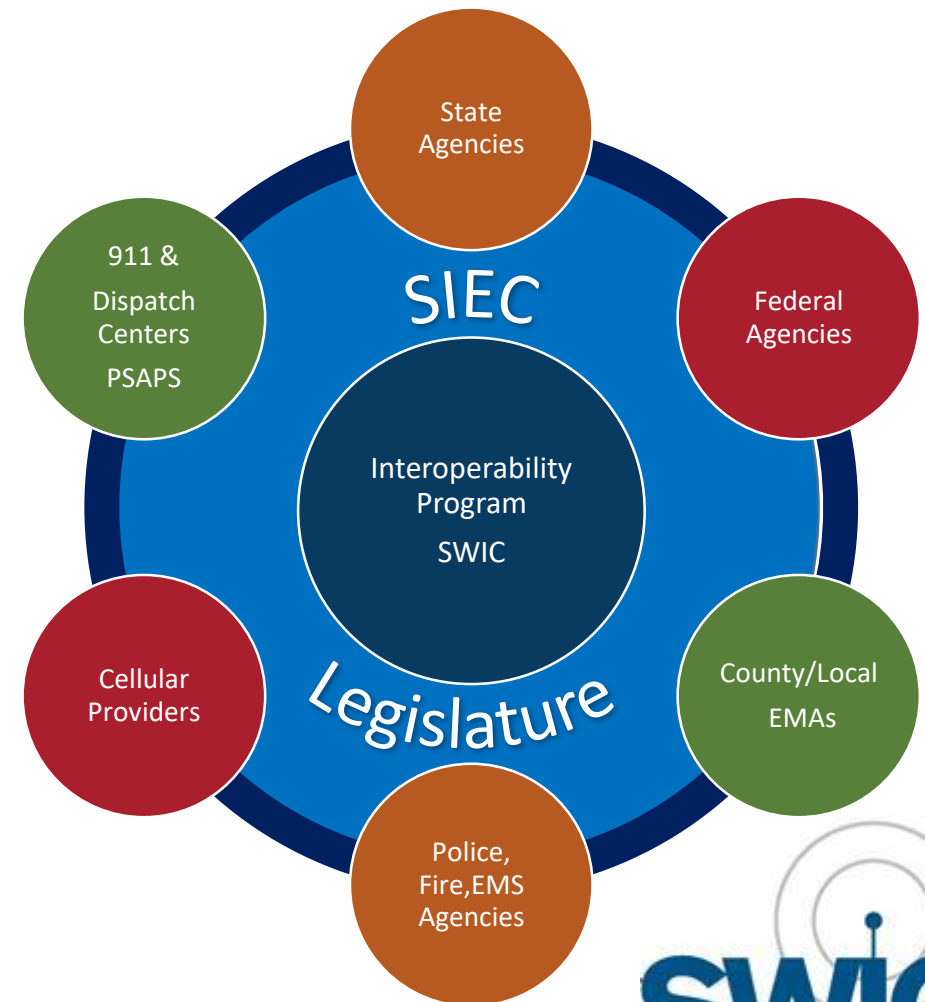
- Married to Kathryn, a school teacher.
- One half-brother and 5 adopted siblings!
- Grew up in tiny town of Ash Fork, AZ (pop. 396)
- Hobbies/Interests: Leadership, travel, competitive shooting, reading, movies, volunteer work.
- Favorite Quote: *"All the great things are simple, and many can be expressed in a single word: freedom, justice, honor, duty, mercy, hope"* - Winston Churchill





So....What's a SWIC?

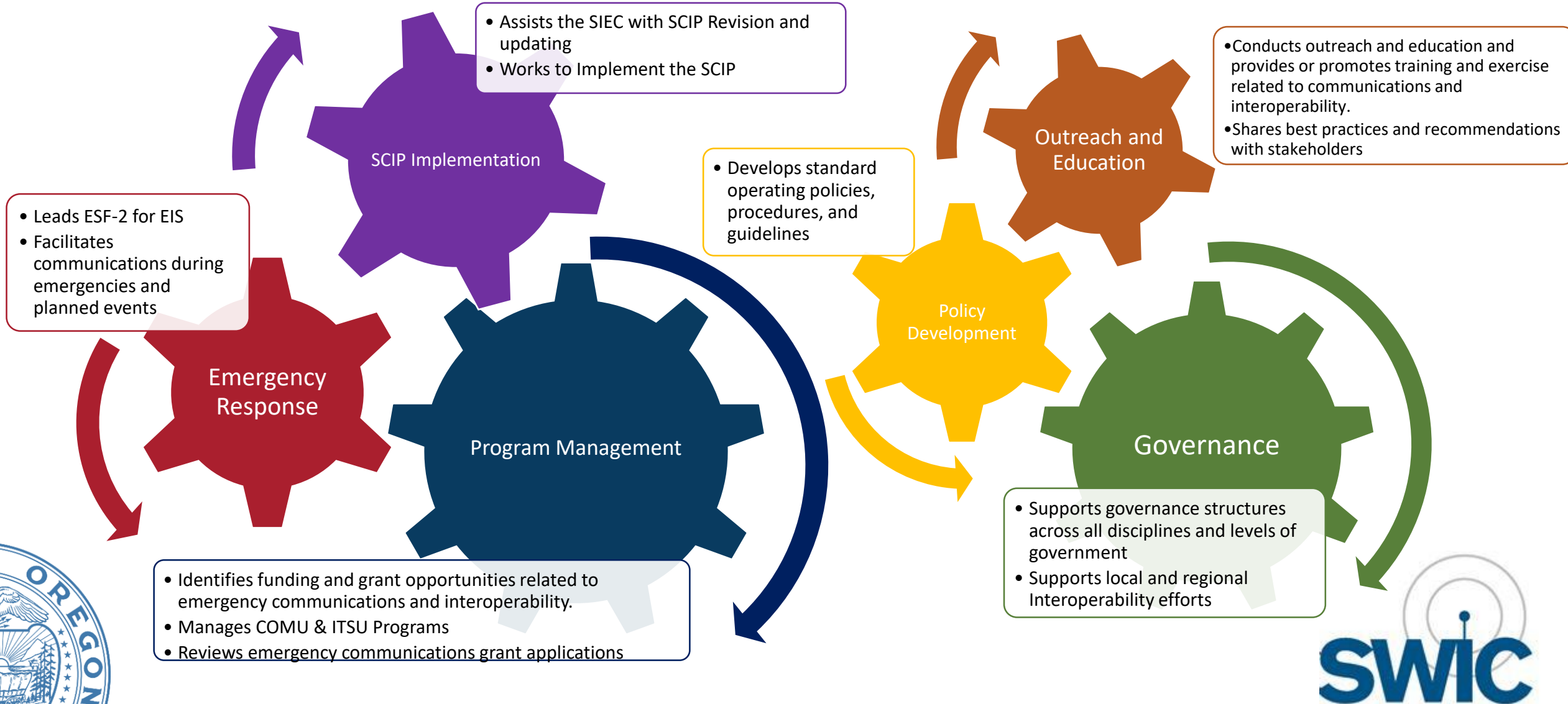
- Established under the State Chief Information Officer by ORS 403.460. (Previously OSP, OEM, and ODOT)
- Serves as the central coordination point for statewide interoperable emergency communications efforts.
- Supports the **State Interoperability Executive Council** (SIEC) and assists with the update and implementation of the **State Communications Interoperability Plan** (SCIP)
- May mediate disputes amongst public bodies.
- Serves as a member of the **National Council of SWICs** (NCSWIC)
 - Each state/territory has a designated SWIC.



StateWide Interoperability Coordinator



And...What does the SWIC do?



Oregon State Interoperability Executive Council

“Seamless interoperable emergency communications”

Interdisciplinary, whole community approach to interoperability.

Membership

- 22 Members
- Public Safety and Communications Representatives
- State, Local, County, Tribal Partners
- Public Safety Practitioners,
- Legislators

Committees

- Executive
- Strategic Planning
- Broadband
- Technical
- Partnership

Focus Areas

- Governance
- Funding & Sustainment
- Technology
- Training & Exercise

Communications Ecosystem

- 911 & Dispatch
- Land Mobile Radio
- Public Safety Broadband
- Alerts, Warnings, & Notifications



“...disaster doesn’t sort us out by preferences; it drags us into emergencies that require we act, and act altruistically, bravely, and with initiative in order to survive or save the neighbors, no matter how we vote or what we do for a living.” – Rebecca Solnit

What's ESF-2?

- ESF = Emergency Support Function. When Oregon activates our **Emergency Coordination Center** (ECC), we support different aspects of the response. ESF-2 = Communications
- Co-lead by the Public Utility Commission and the Department of Administrative Services (through the SWIC)
 - Supported by:
 - Oregon Dept. of Transportation
 - State Radio System, Strategic Technology Reserve
 - Oregon Dept. of Forestry
 - Radio Equipment Caches, Vehicles, COMU Personnel
 - Oregon State Police
 - Oregon Emergency Response System, Northern and Southern Command Centers, OSFM Resources
 - Civil Air Patrol
 - Personnel, Air Assets, Communications Equipment
 - Oregon Office of Emergency Management
 - Emergency Alerting, Redundant Communications, Amateur Radio
 - Oregon Military Department
 - Equipment, Personnel, Expertise, Air Assets
 - Oregon APCO/NENA (911)
 - Coordination with 911/Dispatch Centers, TERT
 - Information Technology Disaster Response Center (ITDRC)
 - Equipment, Personnel, Expertise
 - FEMA
 - MERS, DEC, RECCWG
 - CISA
 - ECD, Expertise, COMU Specialists, Regional Coordinators, ICTAP, Cybersecurity, Critical Infrastructure Identification, GIS Support, Protective Security Advisers, NCSWIC, SAFECOM



ESF-2 Coordination Calls & HSIN Room

- Federal, State, Local, Tribal Response Agencies
- PUC
- Telecommunications/Broadband Providers
- Associations, Contractors
- Utilities
- Public Safety Radio System Administrators
- PSAPs/Dispatch Centers
- VOADs/NGOs
- Sit-Reps using FEMA Lifeline Methodology



SitRep Example

Oregon ESF-2 Room (Discussion) - Adobe Connect

Meeting Layouts Pods Audio

Chat 4 (Everyone)

Rebecca Dance - RX FEMA: 1600 call notes are uploaded from yesterday.
Rebecca Dance - RX FEMA: Ric, the room is looking good
Rebecca Dance - RX FEMA: Today's notes for the 1600 call are uploaded.
Robert Hugi: Good Morning Everyone. Hope all is going well this morning for you. I'm multitasking a bit today, but available. Hit me up if you need anything from me.
Ric Wilhelm RX FEMA FIT: Thanks Robert
Rebecca Dance - RX FEMA: ESF2 1600 call notes posted for 09232020
William Chapman: Morning everyone! Just wanted to say thank you to everyone for all the hard work. We couldn't have gotten to were we are without all of your help!
William Chapman: CCOM returned to normal ops as of 0500 this morning
Rebecca Dance - RX FEMA: Thank you Bruce!
Hank: Nice layout.

Fire Map 092220.PNG

ESF-2 Files

Name	Size
ESF2 Situation Report Template.docx	306 KB
Thielsen Fire -- 09-21-20.pdf	337 KB
Holiday Farm Fire - Oregon - 09-21-20.pdf	282 KB
Holiday 205 091320.pdf	635 KB
Oregon ESF-2 Coordination Call 1600hrs 091820.pdf	83 KB
HSIN Connect Users Guide.pdf	552 KB
2015_OR_EOP_ESF_02_communications (2).pdf	741 KB
Lionshead Wildfire -- Lionshead Canyon Oregon 09-	8 MB
Riverside Wildfire -- Portland OR 09-21-20.pdf	11 MB
ESF-2 Contact List.xlsx	194 KB
Beachie Creek Fire ICS205 - 09122020.jpg	4 MB
242 Day IAP 20200911.pdf	13 MB
HSIN Connect MOBILE Users Guide.pdf	805 KB
Echo_Complex_IAP_20200909_nightshift.pdf	792 KB
Alameda 205 091220.pdf	199 KB
Oregon ESF-2 Coordination Call 1600hrs 091920.pdf	86 KB
Riverside_0917_Comms.pdf	728 KB
ESF-2 Coordination Contacts - Oregon Wildfire v1.0	1.0 KB

Upload File... Download Files...

Announcements

ESF-2 Contacts:
Lisa Gorsuch, PUC
Emergency Preparedness Manager
lisa.gorsuch@state.or.us
William Chapman, DAS EIS
Statewide Interoperability Coordinator
William.Chapman@oregon.gov
24/7/365 - OERS: 1-800-452-0311
ESF-2 Office Number: 971-240-7751

Asset	Asset ID	Location	LAT	Long	POC	Channel
STR 2	STR 2	Archie Creek Fire at Roseburg			OOOT	VTAC-37
STR 4	STR 4	Slater Fire near Cave Junction			OOOT	VTAC-37
STR 6	STR 6	Medford Fires (OSP)			OOOT	VTAC-37
Cell Deployable AT&T	F51	Vida Area - Gas Station	44D 08' 49"	123D 34' 25"	AT&T	
Cell Deployable AT&T	F45	Holiday Farm - Blue River Takatee Golf Course	44D 10' 58"	123D 12' 44"	AT&T	
Cell Deployable AT&T	F25				AT&T	Available
Cell Deployable AT&T	F12	Detroit Idanha			AT&T	
Cell Deployable Verizon	?	Beachie Creek	?	?	Verizon	Available
Cell Deployable Verizon	?	Holiday Farm - Blue River - Takatee Golf Course	44D 10' 58"	123D 12' 44"	Verizon	
Cell Deployable Verizon	?	Detroit Idanha	?	?	Verizon	Available
Cell Deployable Verizon	?	Jackson Co	?	?	Verizon	Available
Cell Deployable Verizon	?	McKenzie	?	?	Verizon	Available
Cell Deployable T-Mobile	?	Jefferson Co Fair	?	?	T-Mobile	



COVID-19 – What it was all about.

Hello everyone,

As we begin to wind down things here at the ICP, I wanted to share a photo I received yesterday. The photo (attached) is of a National Guardsman making a delivery of utility masks to rural telecommunications providers, public safety radio technicians, and 911 Public Safety Answering Points. This delivery was part of a larger effort to distribute 72,000 cloth utility masks to critical infrastructure entities from many different sectors that have had a hard time sourcing masks on their own.

Delivering masks to those in need doesn't sound like it would be such challenge, especially in the days of Amazon "1 Hour delivery" but for those working the incident, I'll tell you, that it's been an enormous feat. And to those receiving the masks, they've quite literally been "life savers."

While the Guardsman made the final hand off, I want you all to know that you were just as much a part in making it happen as if you'd been carrying the box yourself. From helping to approve and implement the BaseCamp Collaboration tool that has allowed those of us in the ICP to work together across agency boundaries, to installing the phone and data lines that were added so quickly so that we could keep the work going, from helping us get cellular and network services up and running, to organizing the meetings where the collaboration occurs, to completely overhauling the website where the public gets its information, we couldn't do any of the work that gets done without the amazing group of talented professionals who work behind the scene to ensure that everything works so flawlessly. And to those in leadership roles over these teams, their work and ability to do the incredible things that they do is dependent on the support and guidance that they have from those who lead them. So thank you for being the courageous leaders you are and for inspiring your teams.

I wanted to share this photo with all of you, because of the accomplishments that it represents. It, and the many related notes of thanks that we've received, belongs to you, just as much as they do to anyone else on this team. I hope it means as much to you as it does to me.

Thank you so much for your work.



COVID-19 – OEM COOP Implementation



Before....



COVID-19 – OEM COOP Implementation



COVID-19 - OEM COOP Implementation

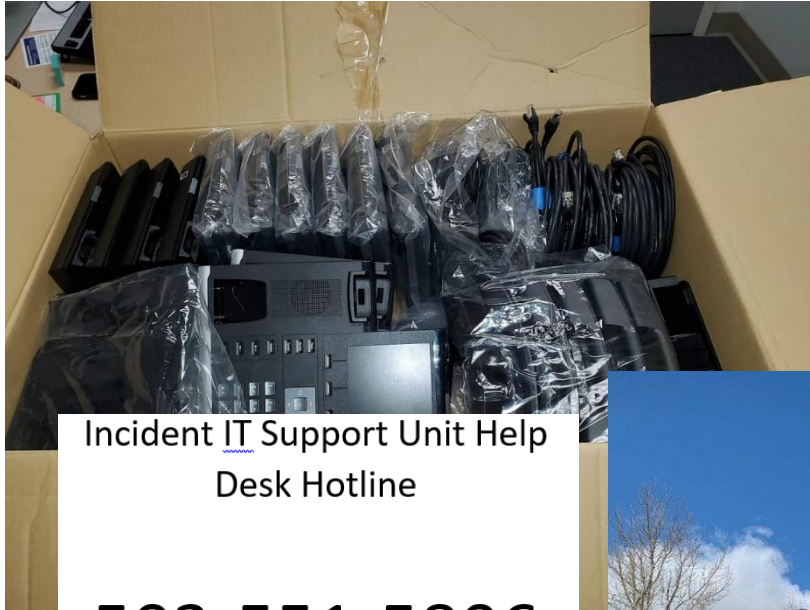


After...

“As our CISA ECD Coordinator Bruce Richter mentioned on our call today, if that had been an exercise inject, we would have called that “unreasonable and unrealistic.””



COVID-19 - OEM COOP Implementation



Incident IT Support Unit Help
Desk Hotline

503-551-5806

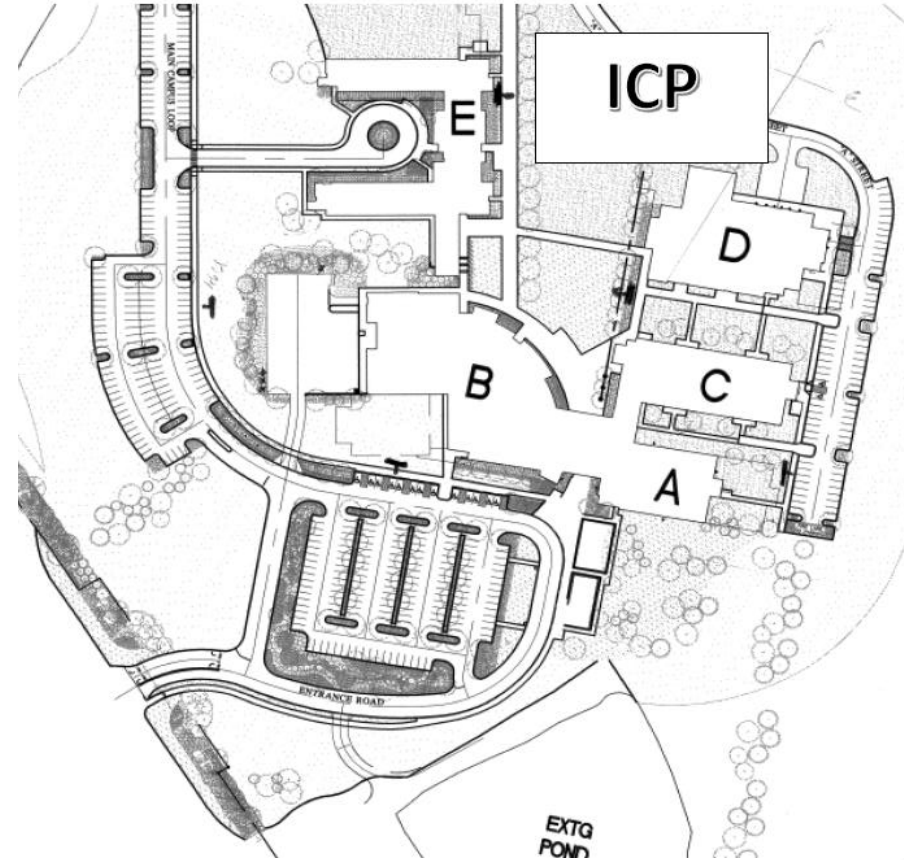
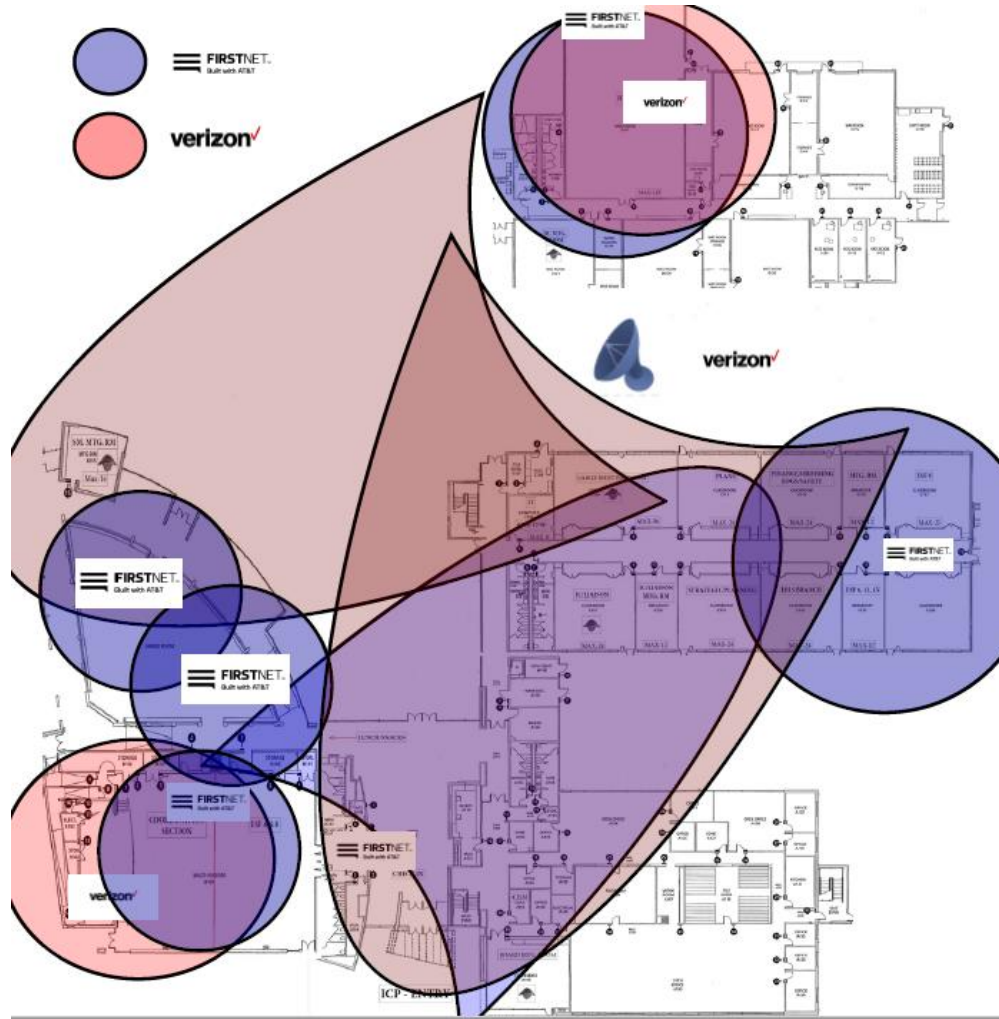
If no one answers, please leave a voicemail with a short description of your problem, your name, phone number, and physical location, and we'll be back with you shortly. Thanks! – ITSU



- Increased network bandwidth
- 150+ Network Drops
- 100+ VoIP Desk Phones
- 13 Conference Phones
- 4 HotSpots, 1 Cradlepoint IBR1700
- 55 FirstNet Cell Phones
- 1 Verizon CoLT
- 1 FirstNet CoLT
- 2 Verizon Network Extenders
- 3 FirstNet MetroCells
- 1 Full Interagency Information Technology Services Unit (ITSU) including Unified HelpDesk

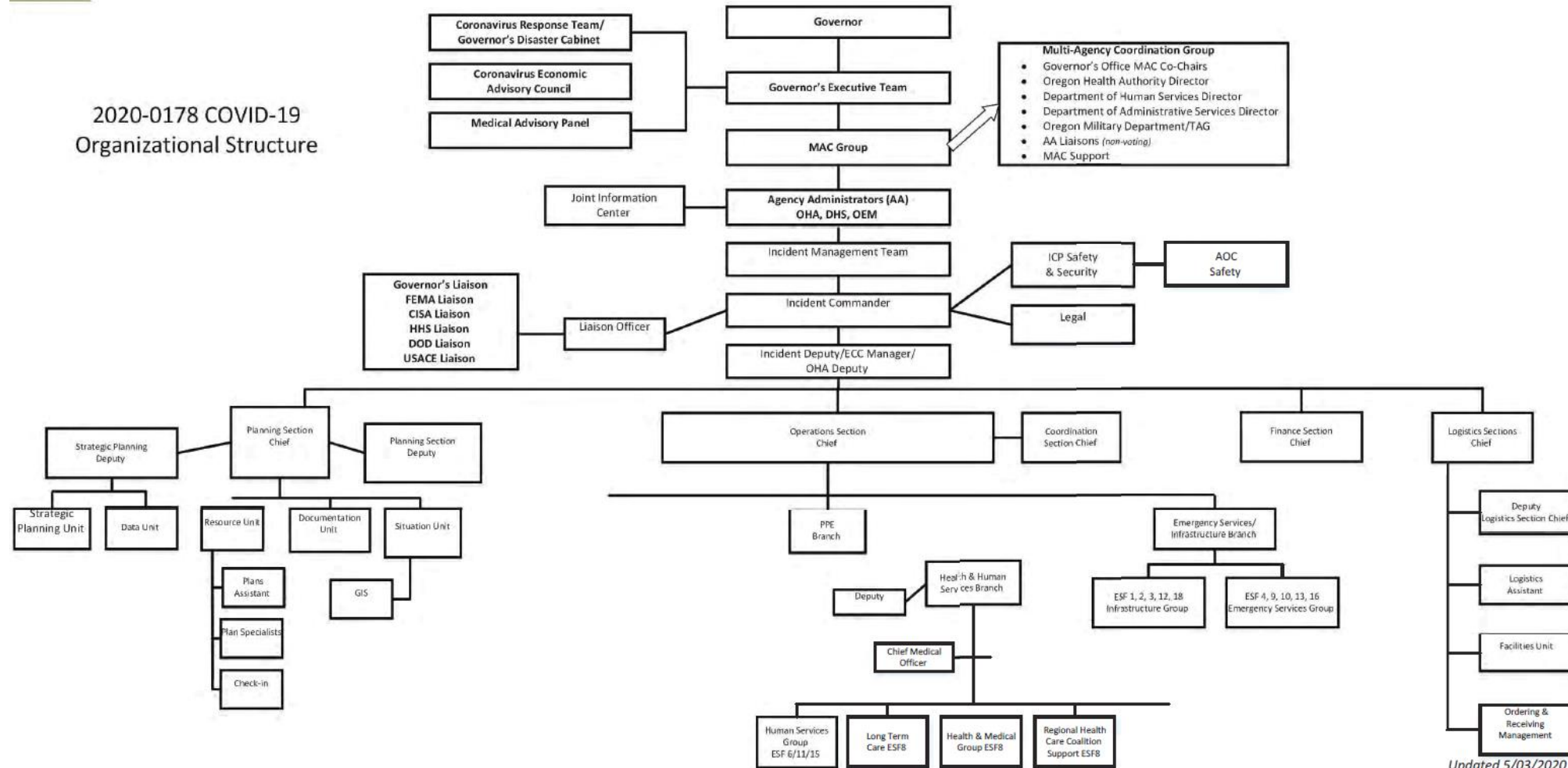


COVID-19 - OEM COOP Implementation



COVID-19 - OEM COOP Implementation

2020-0178 COVID-19
Organizational Structure



Updated 5/03/2020



Coronavirus Support – ORNG Mission to Support OED



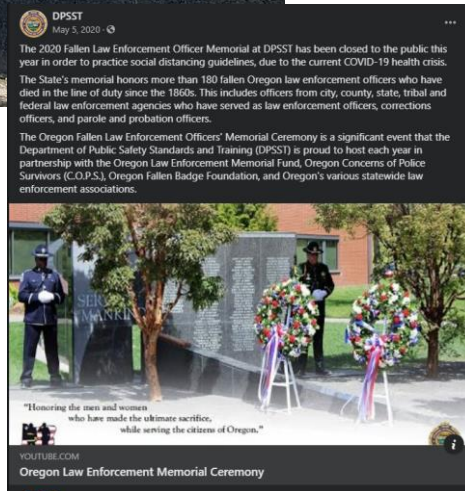
Coronavirus Support – Oregon Medical Station ORNG/OHA



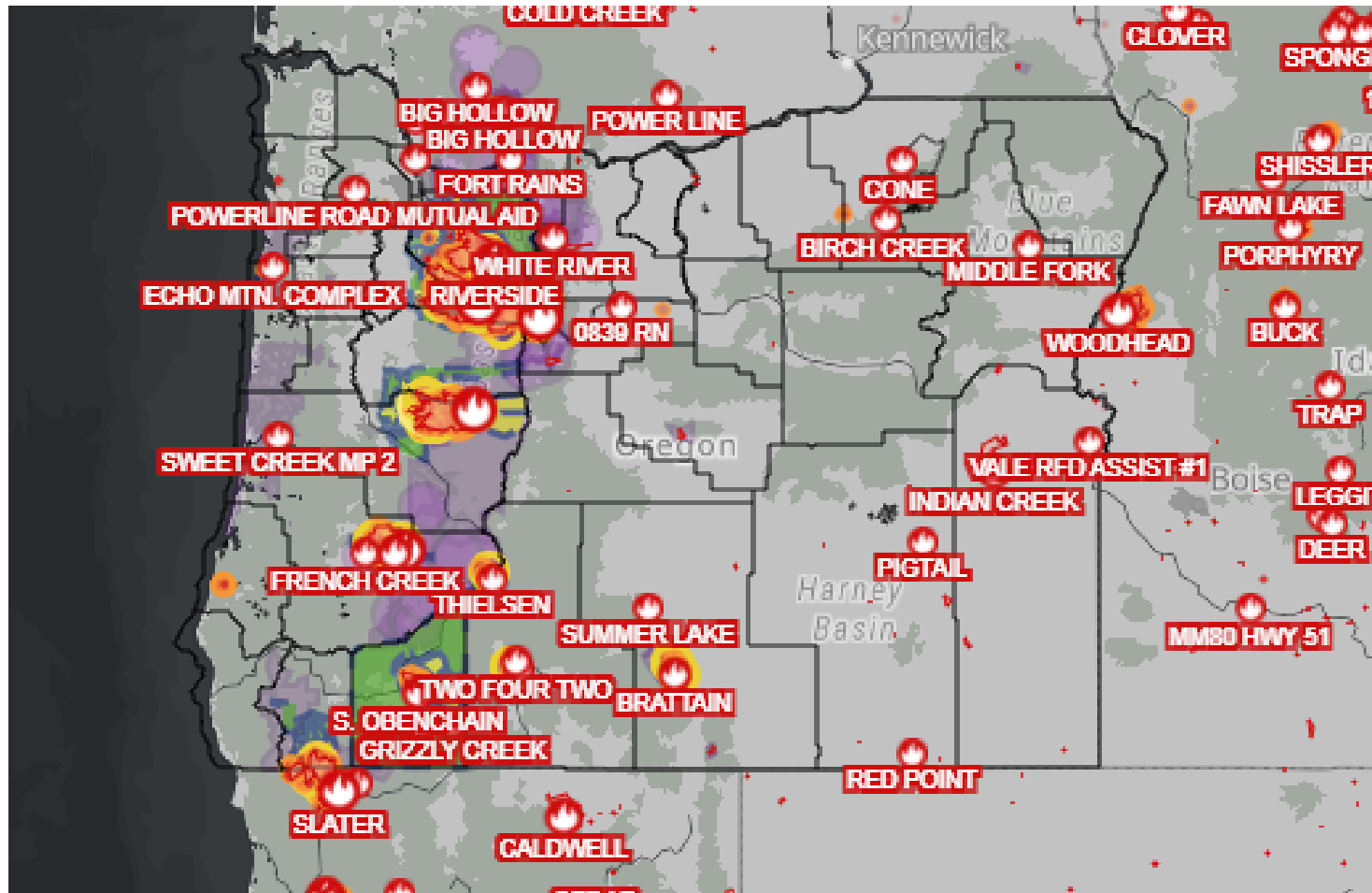
- New Fiber
- 13 Network Drops in 3 Buildings
- 10 Access Points
- VoIP Phones
- Cellular Coverage Assessments



COVID-19 – Finding a “New Normal”



2020 Wildfires



- 2,027 Fires
- 1,200,000+ Acres Burned
- 3,000+ Structures Lost
- 11 Fatalities
- 2 Fire Personnel killed
- Largest Fires
 - Lionshead
 - Beachie Creek
 - Holiday Farm
 - Slater
 - Riverside

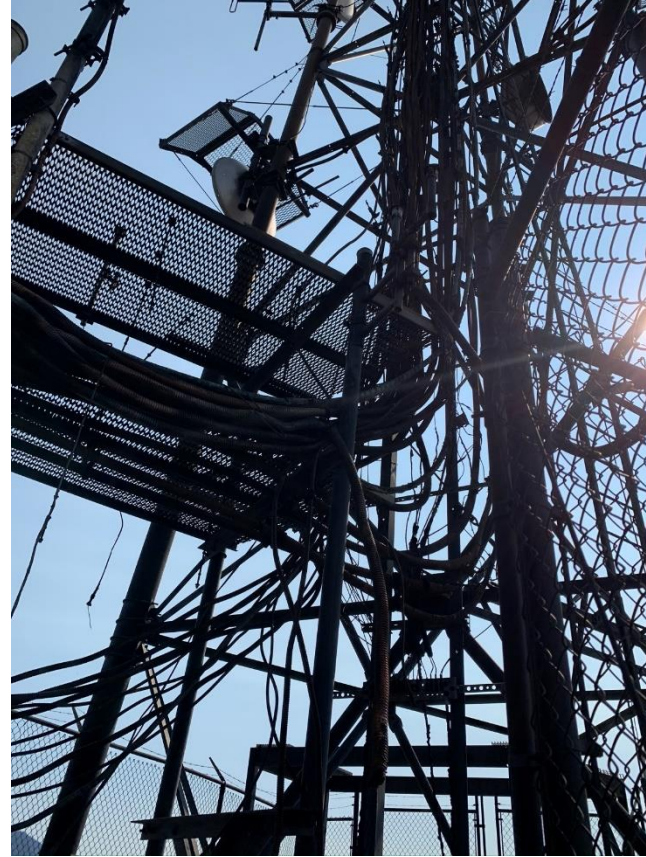


2020 Wildfires

What time of day do you think these were taken?



2020 Wildfires – Mt. Hagan



2020 Wildfires – Mt. Hagan



2020 Wildfires – Mt. Hagan

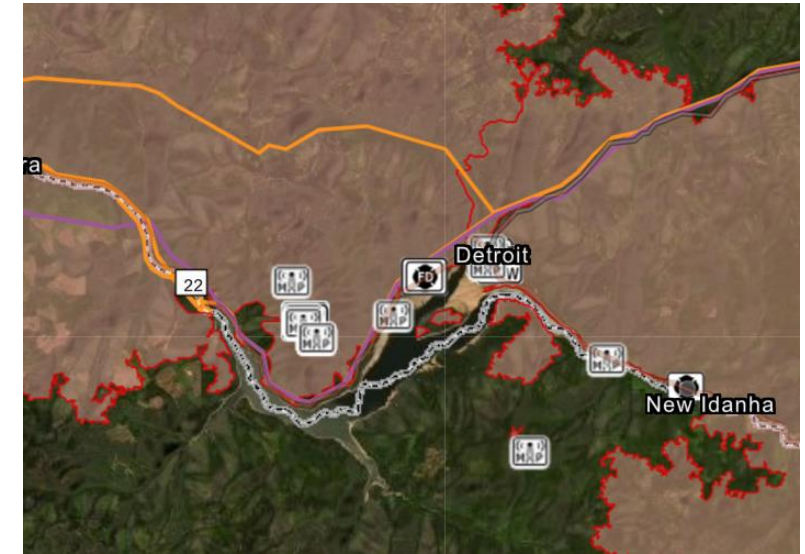


2020 Wildfires – Hall's Ridge

<https://www.youtube.com/watch?v=P1P1XrFSlos>



2020 Wildfires – Hall's Ridge



2020 Wildfires Response – CAP Imagery Missions



Civil Air Patrol Imagery and
Information courtesy of Lt.
Col. David Rudawitz

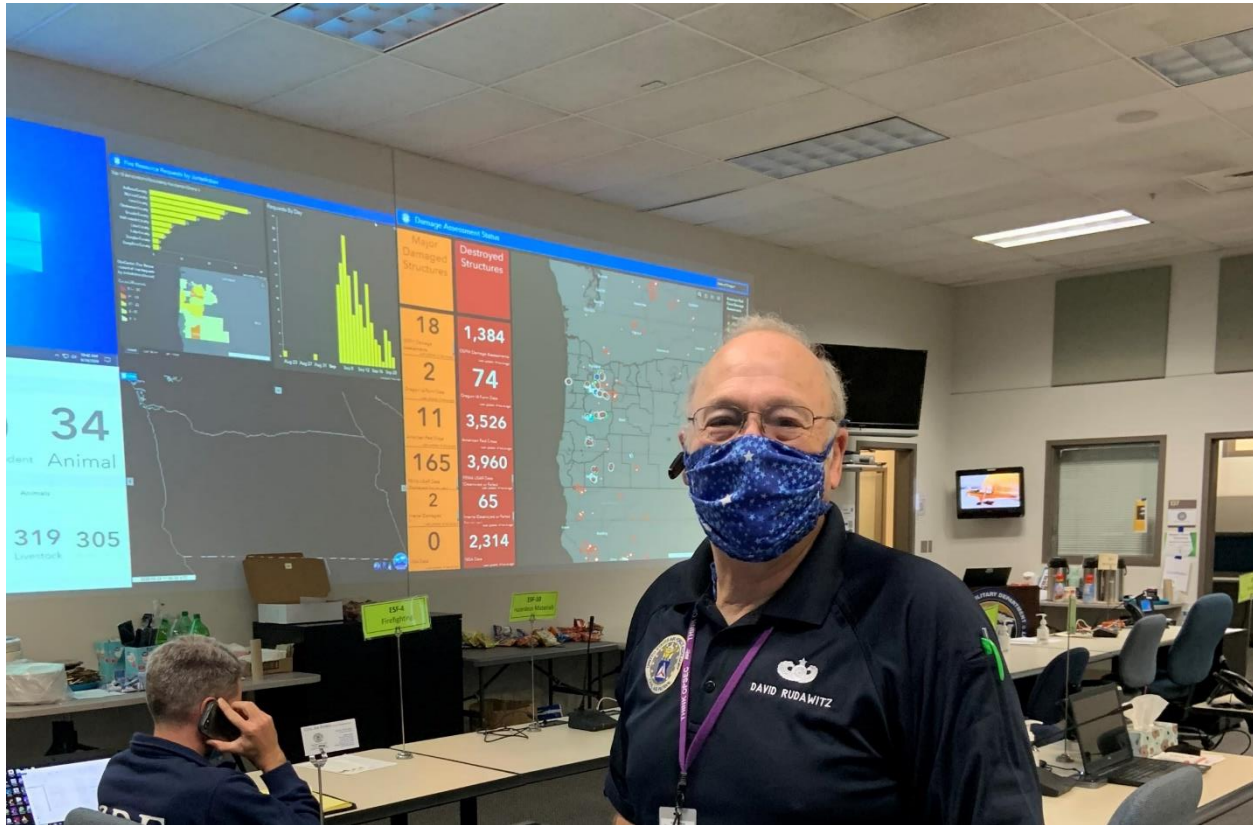


2020 Wildfires Response – CAP Imagery Missions

- Hundreds of Communications sites inside Fire Perimeters
- Little to know real time situational awareness on damage/Impacts
 - Restricted access
 - Fire
 - Impassable Roads
 - Lack of Personnel
- CAP embedded with ESF-2
- Tasked with photographing key sites for damage assessments.



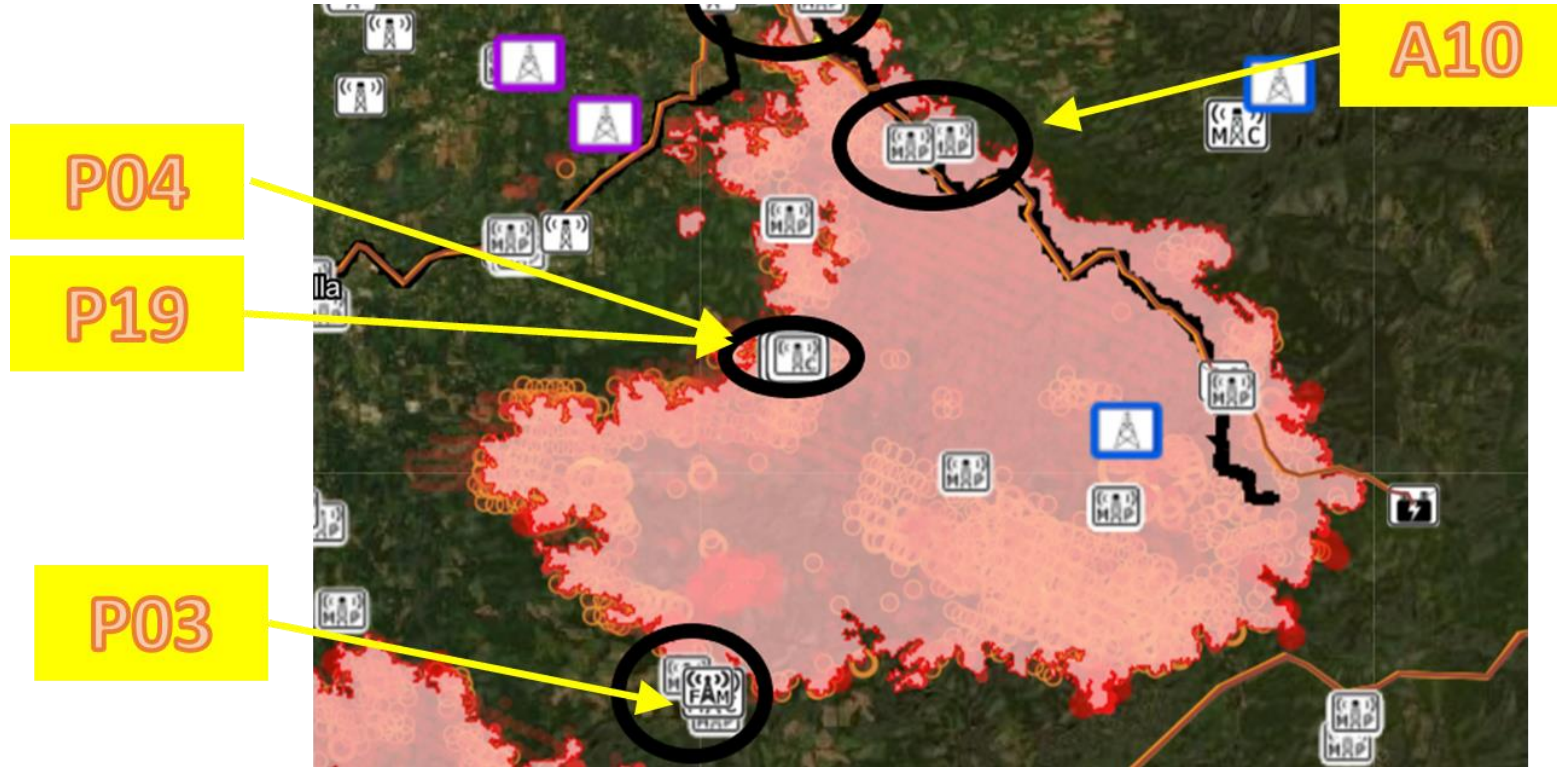
2020 Wildfires Response – CAP Imagery Missions



- After discussions between the ESF-2 and 12 leaders and CAP, a request was made by Oregon to FEMA for CAP remote imagery support under the Stafford Act
- 25/75% cost share between Oregon and FEMA
- An initial \$5,000 Mission Assignment (MA) was issued to CAP for assistance
 - MA was later increased to \$15,000
 - Additional MA for \$50,000 added later



2020 Wildfires Response – CAP Imagery Missions



- Multiple photo targets scattered around the fire perimeters.
- Normal CAP procedures would be to group these into a single sortie
- With ongoing fire air operations CAP access to a fire area was generally limited to a small portion of the entire fire zone.
- Many targets had to be individually handled as separate sorties over several days instead of on a single sortie



2020 Wildfires Response – CAP Imagery Missions

- CAP uses three imagery systems
 - Handheld Nikon 7100/7200 cameras with a telephoto lens
 - Wing/strut mounted VIRB camera system
 - Strut mounted WALDO high resolution 2D/3D imagery system
- All methods timestamp and geo-tag each photo with the location of the camera



2020 Wildfires Response – CAP Imagery Missions



Handheld Nikon Photo



2020 Wildfires Response – CAP Imagery Missions



VIRB Photo



2020 Wildfires Response – CAP Imagery Missions



WALDO Imagery



2020 Wildfires Response – CAP Imagery Missions



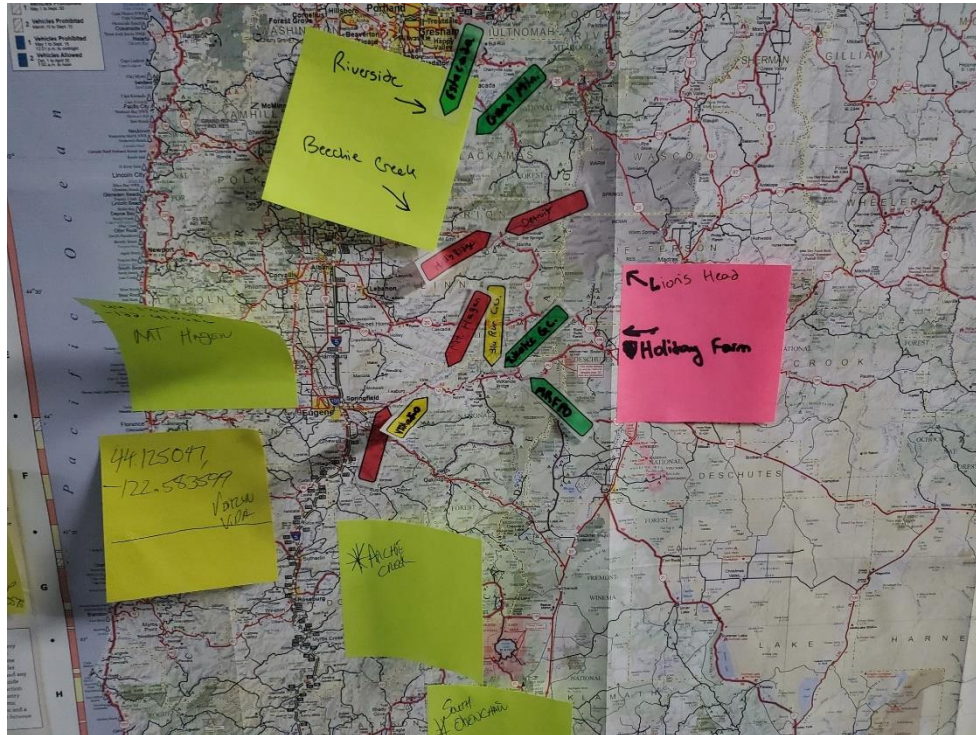
2020 Wildfires Response – CAP Imagery Missions



2020 Wildfires Response – Direct Communications Support



2020 Wildfires Response – Direct Communications Support



- ESF-2 Coordination Calls
- Real Time Situational Awareness for Leadership and Deployed Personnel
- Coordination of COMU Personnel and Equipment via EMAC
- Coordination of incoming commercial and FirstNet Cellular Assets
- Frequency Coordination/Deconfliction
- Damage Assessments
- Critical Infrastructure Identification
- Recovery of Communications Capabilities
- Deployment of State Owned Assets



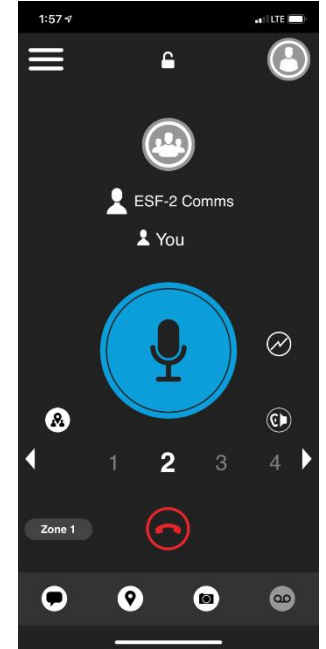
2020 Wildfires Response – Direct Communications Support

Integrated ESF-2 Team:

- FEMA Disaster Emergency Communications
- CISA Emergency Communications Division
- Dept. of Admin. Services/Enterprise Information Services
- Public Utility Commission
- Oregon Dept. of Transportation
- Oregon Dept. of Forestry
- Oregon Office of Emergency Management
- Oregon APCO/NENA
- Civil Air Patrol
- Verizon
- T-Mobile
- AT&T FirstNet
- Information Technology Disaster Resource Center
- Oregon Internet Response



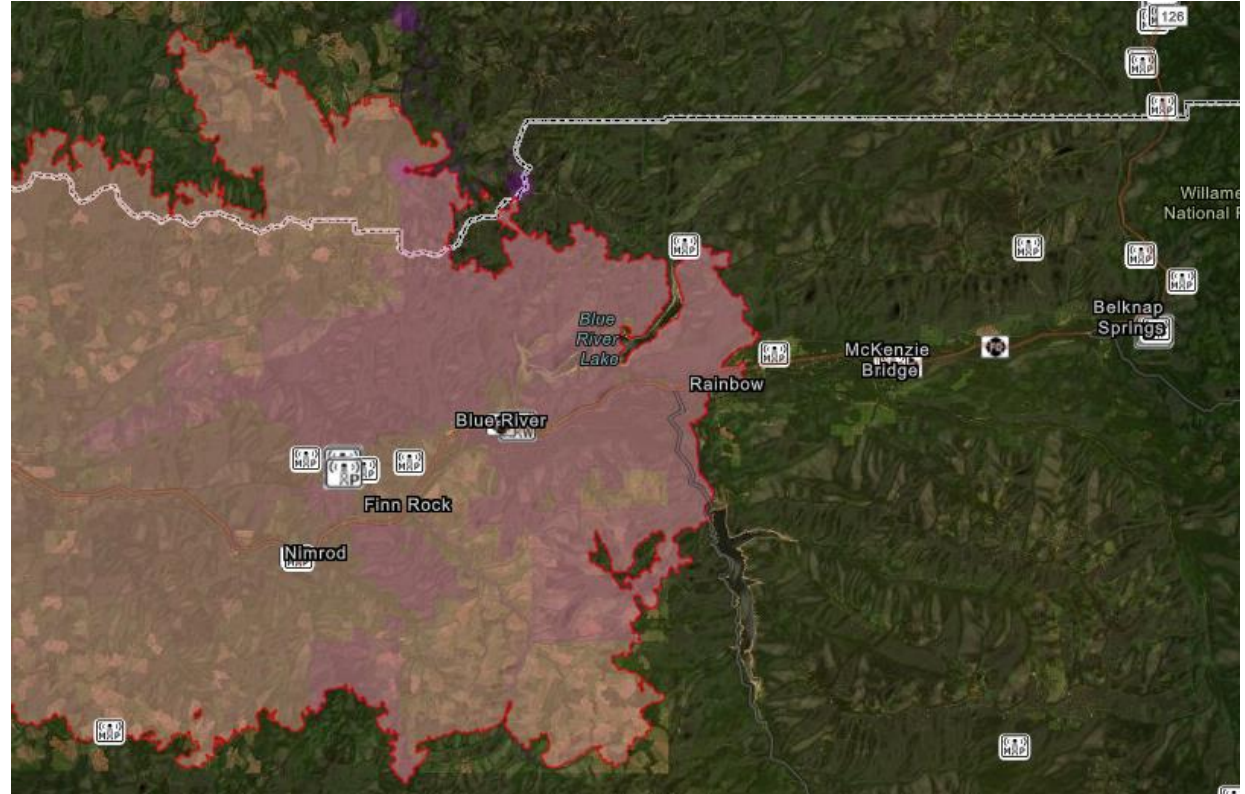
2020 Wildfires Response – Direct Communications Support



2020 Wildfires Response – Direct Communications Support

McKenzie River Corridor area hit particularly hard from a communications perspective:

- Miles of fiber burned.
- Hundreds of poles damaged/burned
- Critical Comms facilities severely damaged or destroyed including Central Office
- Lost of cell towers and radio infrastructure
- People still active/living in unburned areas
- Long term restoration delays
- COVID-19 concerns
- Limited access
- Extremely challenging terrain and topography



2020 Wildfires – Blue River Central Office



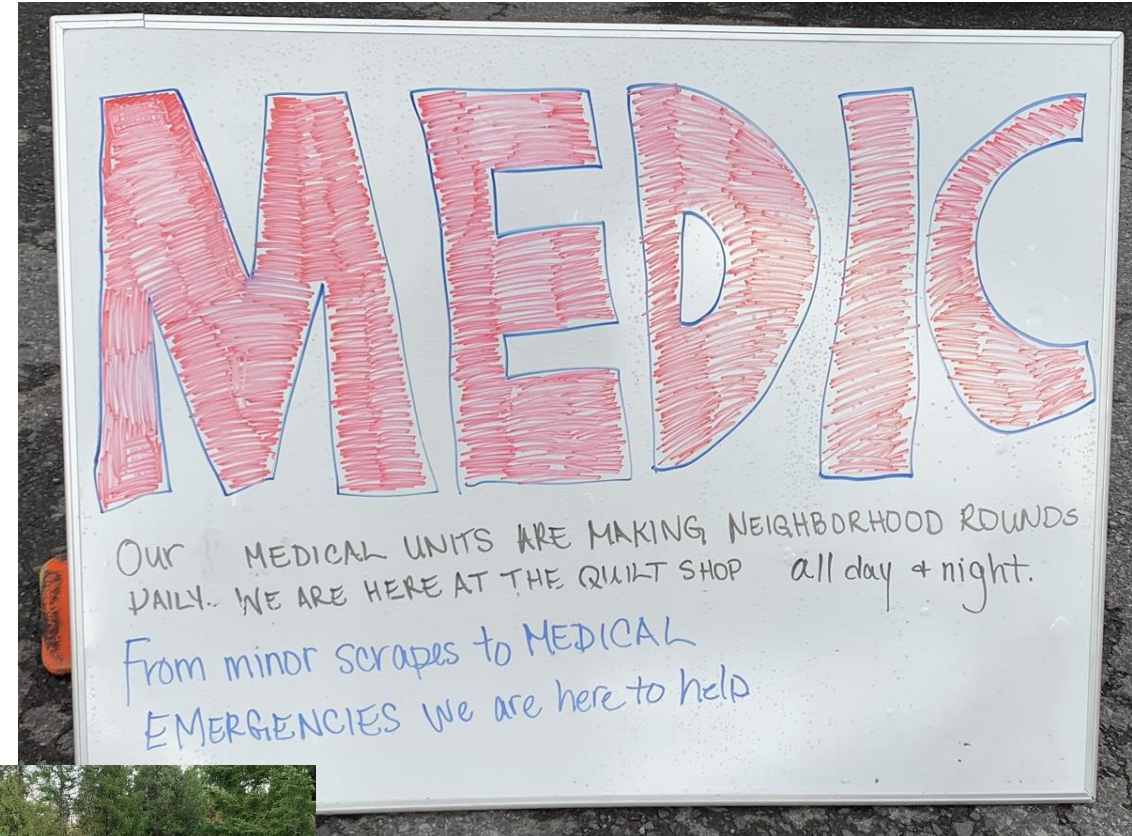
2020 Wildfires Response – Direct Communications Support

BLUE RIVER TO MCKENZIE BRIDGE OREGON DEPLOYABLES
AS OF: 9/27/2020



Goal to create “Connectivity Bubbles” supporting:

- 911 Access
- Critical Point of Sale points for food/fuel.
- Healthcare
- Education



2020 Wildfires Response – Direct Communications Support



FEMA MERS supporting
Connectivity for Assistance
Registration



2020 Wildfires Response – Direct Communications Support



2020 Wildfires Response – Direct Communications Support



2020 Wildfires Response – Direct Communications Support



Future Considerations & Lessons Learned

- PACE (Primary, Alternate, Contingency, Emergency) Plan everything that you can.
- Need for cross-governmental/Interagency Communications Coordination.
- Need for continued partnerships with telecommunications, cellular, and infrastructure providers.
- VOADs/NGOs should focus on working to integrate and sync efforts with formal response agencies. This reduces duplication of efforts. Pre-existing relationships are key!
- Training (especially ICS) is paramount and cannot be over-emphasized. COMU/ITSU positions are in short supply.
- Pre-staged response equipment is very helpful and can save lives.
- Simplifying systems aids in creating the ability to replicate success.
- Equipment Caches run out. What's the back up plan?
- Remember to stop and focus on what matters most.
- We are all in this together. Don't be afraid to ask questions and/or for help.



"Interoperability is about relationships."

